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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 09/25/2008

FILING DATE

NO

\$1440

Law Office of Jim Zegeer Suite 108 801 North Pitt Street Alexandria, VA 22314

APPLICATION NO.

nonprovisional

EXAMINER POLLACK, MELVIN H

PAPER NUMBER

CONFIRMATION NO

12/26/2008

ARTHNIT 2145 DATE MAILED: 09/25/2008

ATTORNEY DOCKET NO.

\$1740

FIRST NAMED INVENTOR 10/712.104 11/14/2003 Peter Rabinovitch 8217 TITLE OF INVENTION: SOFTWARE CONFIGURABLE CLUSTER-BASED ROUTER USING HETEROGENEOUS NODES AS CLUSTER NODES

APPLN, TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE DUE \$300

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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appropriate. All further indicated unless correcte maintenance fee notifical	correspondence includir ed below or directed of	or transmitting the 1880 ig the Patent, advance of herwise in Block 1, by (rders and notification of r a) specifying a new corres	naintenance fees wi pondence address;	ed). E ill be and/or	mailed to the current (b) indicating a sepa	corresp arate "F	e completed where ondence address as EE ADDRESS" for	
CURRENT CORRESPOND	Not Feel paps have	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.							
Law Office of . Suite 108 801 North Pitt S	treet	/2008		Cont	ificato	of Mailing or Trans s) Transmittal is being ficient postage for fir ISSUE FEE address 1) 273-2885, on the d	mission		
Alexandria, VA	22314							(Depositor's name)	
								(Signature)	
								(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORNEY DOCKET NO. CONFIRMA		FIRMATION NO.		
10/712,104	11/14/2003	•	Peter Rabinovitch	•	3465-Z		8217		
			ASED ROUTER USING I						
APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE		DATE DUE	
nonprovisional	NO	\$1440	\$300	\$0	\$1740			12/26/2008	
EXAM	INER	ART UNIT	CLASS-SUBCLASS						
POLLACK,		2145	709-238000						
	ondence address (or Cha 3/122) attached. ication (or "Fee Address' 2 or more recent) attach	inge of Correspondence	or agents OR, alternati (2) the name of a singl registered attorney or a 2 registered patent atto	(1) the names of up to 3 registered patent attorneys cagents OR, alternatively. (2) the name of a single firm (having as a member a registered attorney or agents) and the names of up to 2 registered patent attorneys or agents. If no name is lined, no name with per printed.					
	less an assignee is ident h in 37 CFR 3.11. Comp 3NEE	ified below, no assignee pletion of this form is NO	THE PATENT (print or typ data will appear on the p yr a substitute for filing an (B) RESIDENCE: (CITY	atent. If an assigne assignment. and STATE OR Co	DUNT				
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	s SMALL ENTITY state	as. See 37 CFR 1.27.	b. Applicant is no lon						
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accepte tes Patent and Trademark	ed from anyone other than t k Office.	he applicant; a regis	tered a	attorney or agent; or the	ne assig	nee or other party in	
Authorized Signature				Date					
Typed or printed name			Registration No.						
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/712,104	11/14/2003	Peter Rabinovitch	3465-Z	8217	
75	90 09/25/2008	EXAMINER			
Law Office of Jir	n Zegeer	POLLACK, MELVIN H			
Suite 108	-		ART UNIT	PAPER NUMBER	
801 North Pitt Stre Alexandria, VA 22		2145 DATE MAILED: 09/25/2008			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 866 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 866 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/712.104 RABINOVITCH, PETER Notice of Allowability Examiner Art Unit MELVIN H. POLLACK 2145 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. This communication is responsive to the RCE and amendment dated 08 July 2008. The allowed claim(s) is/are 1-19,21-26 and 28-36. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) \square All b) ☐ Some* c) ☐ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). T Examiner's Amendment/Comment Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit 8. Examiner's Statement of Reasons for Allowance

U.S. Patent and Trademark Office PTOL-37 (Rev. 08-06)

Examiner, Art Unit 2145

/M. H. P./

of Biological Material

Other see attached office action.

Supervisory Patent Examiner, Art Unit 2145

/Jason D Cardone/

Application/Control Number: 10/712,104 Page 2

Art Unit: 2145

DETAILED ACTION

Allowable Subject Matter

- Claims 1-19, 21-26, and 28-36 are allowed.
- The following is an examiner's statement of reasons for allowance: the examiner agrees with the applicant in regards to the novelty of the new claims.
- Applicant has amended the independent claims (P. 10) and further defined many of the limitations (P. 11), along with further providing motivations for the structure and differentiations from Syvanne (Pp. 12-13).
- 4. The claims 17 and 26 are drawn towards the creation of router cluster nodes and their interconnections (internal and external links), such that they are configured to exchange packets. In particular, the usage of external links and scalable routers is novel and non-obvious. In addition, claim 1 includes other features such as the use of special purpose nodes.
- 5. All other claims are dependent from an allowable claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance"

Conclusion

 The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. They regard further background teachings on the case. Application/Control Number: 10/712,104
Art Unit: 2145

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MELVIN H. POLLACK whose telephone number is (571)272-3887. The examiner can normally be reached on 8:00-4:30 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Cardone can be reached on (571) 272-3933. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/M. H. P./ Examiner, Art Unit 2145 16 September 2008

/Jason D Cardone/ Supervisory Patent Examiner, Art Unit 2145